

## Product Datasheet

### Topoisomerase inhibitor 6 (orb3135511)

<b>Catalog Number</b>	orb3135511
<b>Category</b>	Small Molecules
<b>Description</b>	Topoisomerase inhibitor6 (Compound REDX05931) is a dual irreversible inhibitor of DNA gyrase and topoisomerase IV, with an MIC of 0.06 µg/mL against fluoroquinolone-resistant <i>S. aureus</i> . It halts the DNA strand breaking-rejoining process, causing lethal DNA damage, and holds potential for studying infections caused by Gram-positive bacteria such as <i>S. aureus</i> and <i>S. pneumoniae</i> .
<b>Target</b>	Antibacterial,Topoisomerase
<b>MW</b>	404.87
<b>CAS Number</b>	2987726-03-2
<b>Formula</b>	C <sub>20</sub> H <sub>22</sub> ClFN <sub>4</sub> O <sub>2</sub>
<b>SMILES</b>	<chem>C1C1=C2C(C3=C(C(=O)N2C4CC4)N=C(C)O3)=CC(F)=C1N5C[C@]([C@H](C)N)(C5)[H]</chem>
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

#### Biorbyt Ltd.

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

#### Biorbyt LLC

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)